

Title (en)

Process for transporting, storing, and producing a particulate water-absorbent resin

Title (de)

Verfahren zum Transportieren, Lagern und Herstellen eines teilchenförmigen wasserabsorbierenden Harzes

Title (fr)

Procédé pour le transport, le stockage et la préparation d'une résine particulaire absorbant l'eau

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1118633A2] The present invention provides: a process for treating a particulate water-absorbent resin, which enables to carry out pulverization stably in a process for producing a particulate water-absorbent resin, and transportation or storage of the particulate water-absorbent resin stably during or after producing the particulate water-absorbent resin, and to prevent contamination of cohered matters of the particulate water-absorbent resin; and involves no or little deterioration of properties. The process for treating a particulate water-absorbent resin is characterized by carrying out at least one selected from the group consisting of: (1) heating at least one portion of a surface getting contact with the particulate water-absorbent resin from the outside, (2) maintaining the temperature of at least one portion of a surface getting contact with the particulate water-absorbent resin at 30 to 150 DEG C, and (3) maintaining the temperature of at least one portion of a surface getting contact with the particulate water-absorbent resin above a temperature that is lower than a temperature of the particulate water-absorbent resin by 20 DEG C.

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Citation (search report)

- [XD] EP 0855232 A2 19980729 - NIPPON CATALYTIC CHEM IND [JP]
- [XD] US 5369148 A 19941129 - TAKAHASHI HITOSHI [JP], et al

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